



Q96480 sequence listing submitted 11.2006.txt
SEQUENCE LISTING

<110> SUCAMPO AG
<120> METHOD FOR DIAGNOSING OR PREDICTING SUSCEPTIBILITY TO OPTIC
NEUROPATHY

<130> 665045

<140> PCT/JP2005/005601

<141> 2005-03-18

<150> US 60/553986

<151> 2004-03-18

<150> US 60/604704

<151> 2004-08-27

<150> US 60/607359

<151> 2004-09-07

<160> 209

<170> PatentIn version 3.2

<210> 1

<211> 360

<212> DNA

<213> Homo Sapiens

<400> 1

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ctagcaatat caaccattaa ccttccctct acacttatca tcttcacaat tctaattcta      240
ctgactatcc tagaaatcgc tgtcgcctta atccaagcct acgttttcac acttctagta      300
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<211> 300

<212> DNA

<213> Homo Sapiens

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tgagagctggc taccacggac agttcccgtg ttcttggggg ggctacacgg acattgactt      180
ggctgtggat gaagcaggcc tctgggtcat ttacagcacc gatgaggcca aagggtgccat      240
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<210> 3

<211> 540

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<212> DNA

<213> Homo Sapiens

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ggaggcccgg ctccacgcct gcgcccagaa gctgggtatg ccttggccct tgaccctgac	420
ccctgatctc tgactgccac acccaactcc agtatcacct gtttgtgcct agaagctgga	480
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<211> 23

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer/Probe

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<213> Artificial Sequence

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<211> 22

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer/Probe

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<211> 25

<212> DNA

<213> Artificial Sequence

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<220>

<223> Description of Artificial Sequence: Primer/Probe

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<210> 8

<211> 600

<212> DNA

<213> Homo Sapiens

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ctttcaaggt ggaaacgtca gatgaggaga tccacgactt acaccagagg atcgataagt	180
tccgtttcac cccacctttg gaggacagct gcttccacta tggcttcaac tccaactacc	240
tgaagaaagt catctctac tggcggaatg aatttgactg gaagaagcag gtggagattc	300
tcaacagata ccctcacttc aagactaaaa ttgaagggtt ggacatccac ttcattccacg	360
tgaagcccc ccagctgccc gcaggccata cccgaagcc cttgctgatg gtgaacggct	420
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<210> 9

<211> 780

<212> DNA

<213> Homo Sapiens

<400> 9

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 ctctgtccc aaagttgaat attccccct tgaatttggg cttttatcca tcccatcaca 720
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<210> 10
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 <213> Artificial Sequence

<220>
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<400> 10
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<210> 11
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 <212> DNA
 <213> Artificial Sequence

<220>
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<400> 11
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<210> 12
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<220>
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<400> 12
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<210> 13
 <211> 21
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<220>
 <223> Description of Artificial Sequence: Primer/Probe

<400> 13
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<210> 14
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 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer/Probe

<400> 14
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<210> 15
 <211> 47
 <212> DNA
 <213> Artificial Sequence

 <220>
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 <210> 16
 <211> 14
 <212> DNA
 <213> Artificial Sequence

 <220>
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 <400> 16
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 <210> 17
 <211> 15
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 <220>
 <223> Description of Artificial Sequence: Primer/Probe

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 <210> 18
 <211> 38
 <212> DNA
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 <220>
 <223> Description of Artificial Sequence: Primer/Probe

 <400> 18
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 <210> 19
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 <212> DNA
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 <220>
 <223> Description of Artificial Sequence: Primer/Probe

 <400> 19
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 <210> 20

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<211> 21
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<210> 21
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<210> 22
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<210> 24
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<210> 25
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<220>
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<210> 31
<211> 20
<212> DNA
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<220>
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<400> 31
aagtaggaga gtgatatttg 20

<210> 32
<211> 20
<212> DNA
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<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 32
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<210> 33
<211> 20
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<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 33
aaaatgccct agcccacttc 20

<210> 34
<211> 20
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<220>
<223> Description of Artificial Sequence: Primer/Probe

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gtcattatgt gttgtcgtgc 20

<210> 35
<211> 20
<212> DNA
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<220>
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<210> 36
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 <212> DNA
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 <223> Description of Artificial Sequence: Primer/Probe

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<210> 37
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 <213> Homo Sapience

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 ctgactatcc tagaaatcgc tgtcgcctta atccaagcct acgttttcac acttctagta 300
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<210> 38
 <211> 420
 <212> DNA
 <213> Homo Sapiens

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 caactttcct cactatctgc ttcacccgcc aactaatatt tcactttaca tccaaacatc 360
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<210> 39
 <211> 420
 <212> DNA
 <213> Homo Sapiens

<400> 39
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cgaacgcact cacagtcgca tcataatcct ctctcaagga cttcaaactc tactccact	180
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cctactggga gaactctctg tgctagtaac cacgttctcc tgatcaaata tcactctcct	300
acttacagga ctcaacatac tagtcacagc cctatactcc ctctacatat ttaccacaac	360
acaatggggc tcactcacc accacattaa caacataaaa ccctcattca cacgagaaaa	420

<210> 40
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 <223> Description of Artificial Sequence: Primer/Probe

<400> 40	
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<210> 41
 <211> 21
 <212> DNA
 <213> Artificial Sequence

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 <223> Description of Artificial Sequence: Primer/Probe

<400> 41	
tcgccaaaca tggccacaca t	21

<210> 42
 <211> 24
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 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer/Probe

<400> 42	
gccctgcagg tgtctgcagc atgt	24

<210> 43
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<220>
 <223> Description of Artificial Sequence: Primer/Probe

<400> 43	
ggatggctct ccccgcttg tctc	24

<210> 44
 <211> 24
 <212> DNA

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer/Probe

<400> 44
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<210> 45
 <211> 24
 <212> DNA
 <213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer/Probe

<400> 45
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<210> 46
 <211> 24
 <212> DNA
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<220>

<223> Description of Artificial Sequence: Primer/Probe

<400> 46
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<210> 47
 <211> 24
 <212> DNA
 <213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer/Probe

<400> 47
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<210> 48
 <211> 23
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 <213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer/Probe

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<210> 49
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 <213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer/Probe

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<210> 50
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<220>
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<400> 50
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<210> 51
<211> 20
<212> DNA
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<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 51
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<210> 52
<211> 21
<212> DNA
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<220>
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<210> 53
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 53
gcataggagt atgatttaat c 21

<210> 54
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 54

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<210> 55
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 55
ctcaccagg aacctgctct ggaaacata 29

<210> 56
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 56
ggaaatgtga gcagatagt cagtc 25

<210> 57
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 57
aatccggagc tggagaactc ttgtc 25

<210> 58
<211> 360
<212> DNA
<213> Homo Sapiens

<400> 58
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<210> 59
<211> 323
<212> DNA
<213> Homo Sapiens

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<400> 59
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 tatcaggatt tcctcttgaa ccagaaccag tctttcaact cattgcatca ttacaagac 120
 aacattgtaa gagagatgag cacttctaag ttgagtatat tataatagat tagtactgga 180
 ttattcaggc tttaggcata tgcttcttta aaaacgctat aaattatatt cctcttgcat 240
 ttcacttgag tggagggttta tagttaatct ataactacat attgaatagg gctaggaata 300
 tagattaaat catactccta tgc 323

<210> 60
 <211> 420
 <212> DNA
 <213> Homo Sapiens

<400> 60
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 gtctttcaac tcattgcatc atttacaaga caacattgta agagagatga gcacttctaa 120
 gttgagtata ttataataga ttagtactgg attattcagg ctttaggcat atgcttcttt 180
 aaaaacgcta taaattatat tcctcttgca tttcacttga gtggagggttt atagttaatc 240
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 ttatTTTTTAC agttatagaa agcaagatgt actataacat agaattgcaa tctataatat 360
 ttgtgtgttc actaaactct gaataagcac tttttaaaaa actttctact cattttaatg 420

<210> 61
 <211> 17
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<220>
 <223> Description of Artificial Sequence: Primer/Probe

<400> 61
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<210> 62
 <211> 17
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<220>
 <223> Description of Artificial Sequence: Primer/Probe

<400> 62
 attgcctttc agcttgg 17

<210> 63
 <211> 31
 <212> DNA
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<220>

<223> Description of Artificial Sequence: Primer/Probe

<400> 63

gttggtgggtc acataacgct ctctggaggg t 31

<210> 64

<211> 360

<212> DNA

<213> Homo Sapiens

<400> 64

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gtttgtgcc a gattctaatt ttacatgttt cttttgccaa aggggtgattt ttttaaaata 120

acatttggtt tctcttatct tgctttatta ggtcggagac catgagaaac agcgtcaaata 180

catcttttca tgatcccaag ctgaaaggca agccctccag agagcgttat gtgaccacaca 240

accgagcaca ttggtgacag accttcgggg cctgtctgaa gccatagcct ccacggagag 300

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<210> 65

<211> 24

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer/Probe

<400> 65

agcacagcag agctttccag agga 24

<210> 66

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer/Probe

<400> 66

ctccaggtct aagcgttgg 19

<210> 67

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer/Probe

<400> 67

caggcatgt cagtcaccca 20

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<210> 68
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 <400> 68
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<210> 69
 <211> 18
 <212> DNA
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 <223> Description of Artificial Sequence: Primer/Probe
 <400> 69
 gaaaccctaaa ccagagag 18

<210> 70
 <211> 24
 <212> DNA
 <213> Artificial Sequence
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 <223> Description of Artificial Sequence: Primer/Probe
 <400> 70
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<210> 71
 <211> 24
 <212> DNA
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 <223> Description of Artificial Sequence: Primer/Probe
 <400> 71
 cctcaacata gtcaatcctt gggc 24

<210> 72
 <211> 24
 <212> DNA
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 <223> Description of Artificial Sequence: Primer/Probe
 <400> 72
 acatgaataa agaccatgtg ggca 24

<210> 73
 <211> 24
 <212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer/Probe

<400> 73
gattatggat taagtggatg ttcg 24

<210> 74
<211> 20
<212> DNA
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<223> Description of Artificial Sequence: Primer/Probe

<400> 74
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<210> 75
<211> 21
<212> DNA
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<220>

<223> Description of Artificial Sequence: Primer/Probe

<400> 75
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<210> 76
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer/Probe

<400> 76
attggcgact gactgcttac 20

<210> 77
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer/Probe

<400> 77
gaatctggaa ctcgaacaaa 20

<210> 78
<211> 21
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer/Probe

<400> 78
ctgagcatct ctttctgcca t 21

<210> 79
<211> 300
<212> DNA
<213> Homo Sapiens

<400> 79
actggaaagc acgggtgctg tggtgtactc ggggagcctc tatttccagg gcgctgagtc 60
cagaactgtc ataagatatg agctgaatac cgagacagtg aaggctgaga aggaaatccc 120
tgagagctggc taccacggac agttcccgtc ttcttggggg ggctacacgg acattgactt 180
ggctgtggat gaagcaggcc tctgggtcat ttacagcacc gatgaggcca aagggtgcat 240
tgtcctctcc aaactgaacc cagagaatct ggaactcgaa caaacctggg agacaaacat 300

<210> 80
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 80
ccagtgggtt tgtgggactc c 21

<210> 81
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 81
aaagggatgg catttcttgc a 21

<210> 82
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 82
gtccactttc ctggtgtgtg act 23

<210> 83
<211> 18
<212> DNA
<213> Artificial Sequence

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<220>
 <223> Description of Artificial Sequence: Primer/Probe
 <400> 83
 caacatcaca atggatcg 18
 <210> 84
 <211> 25
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Primer/Probe
 <400> 84
 agccttagtt tgatctgttc attca 25
 <210> 85
 <211> 23
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Primer/Probe
 <400> 85
 gtttcattctt tccaggggag gct 23
 <210> 86
 <211> 42
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Primer/Probe
 <400> 86
 cgcccgccgc cgcccgccgc aatcccttgc atttctgttt tt 42
 <210> 87
 <211> 21
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Primer/Probe
 <400> 87
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 <210> 88
 <211> 45
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer/Probe

Q96480 sequence listing submitted 11.2006.txt

<400> 88
cgcccgccgc cgcccgccgc ggttactctc ttcttagtct ttgga 45

<210> 89
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 89
gggtgaactg tatggtatct taatt 25

<210> 90
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 90
cgcccgccgc cgcccgccgc gctatttctc ttaaagccaa agaga 45

<210> 91
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 91
cagtggctgg actactctcg t 21

<210> 92
<211> 44
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 92
cgcccgccgc cgcccgccgc gtcagatgat aattgtacag atat 44

<210> 93
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 93
aatgtatatt tcaaaggagg ataaa 25

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<210> 94
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer/Probe

 <400> 94
 ccactgcgac gtaaaggagc a 21

 <210> 95
 <211> 25
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer/Probe

 <400> 95
 caaatccgaa ttccaatctg tataa 25

 <210> 96
 <211> 44
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer/Probe

 <400> 96
 cgccccgccgc cgccccgccgc ggttgggagg caagactata agtt 44

 <210> 97
 <211> 25
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer/Probe

 <400> 97
 ttctgttcat tactaggcta tggaa 25

 <210> 98
 <211> 24
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer/Probe

 <400> 98
 caggcagaat tattttcaaaa ccat 24

 <210> 99

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<211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer/Probe

 <400> 99
 cgagaataca gtcagggctg g 21

 <210> 100
 <211> 25
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer/Probe

 <400> 100
 gcactacctc ctcctcgcat aaaca 25

 <210> 101
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer/Probe

 <400> 101
 ggccatgctg atgtgagctc t 21

 <210> 102
 <211> 43
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer/Probe

 <400> 102
 cgccccgccgc cgccccgccgc ggactgtctg ctcagtgttg tca 43

 <210> 103
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer/Probe

 <400> 103
 ggtgccttga tttggaatcc a 21

 <210> 104
 <211> 44
 <212> DNA
 <213> Artificial Sequence

Q96480 sequence listing submitted 11.2006.txt

<220>
 <223> Description of Artificial Sequence: Primer/Probe

<400> 104
 cgcccgccgc cgcccgccgc cacaactgcc tgcaaaatgg aact 44

<210> 105
 <211> 25
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer/Probe

<400> 105
 gaggcaaaat atttgagtga aaaca 25

<210> 106
 <211> 23
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer/Probe

<400> 106
 aggcaatagg ttttgagggc cat 23

<210> 107
 <211> 21
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer/Probe

<400> 107
 gtagtgggcc ctgcaccttc t 21

<210> 108
 <211> 27
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer/Probe

<400> 108
 aagtcgagta tggggacccc ccgttaa 27

<210> 109
 <211> 25
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer/Probe

Q96480 sequence listing submitted 11.2006.txt

<400> 109
ccccagtgtg tggccatatac ttctt 25

<210> 110
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 110
gctgagaaga tgaaggaaaa gtc 23

<210> 111
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 111
cctctacatg gccctgtcct 20

<210> 112
<211> 240
<212> DNA
<213> Homo Sapiens

<400> 112
caacagtgaac ttttccacag gaacttctgc aatgtcccat caacctctca gctgcctcac 60
tgaaaaggag gacagcccca gtgaaagcac aggaaatgga cccccccacc tggccacccc 120
aaacctggac acgtttaccc cggaggagct gctgcagcag atgaaagagc tcctgaccga 180
gaaccaccag ctgaaagggtg agcaggggctg gccctgtgtg gccccattca tcctgggcct 240

<210> 113
<211> 2077
<212> DNA
<213> Homo Sapiens

<400> 113
atcccgggtcg ggagttctct ccaggcggca cgatgccgag gaaacagtga ccctgagcga 60
agccaagccg ggcggcaggt gtggctttga tagctggtgg tgccacttcc tggccttgga 120
tgagccgtac gcctctgtaa acccaacttc ctcacctttg aaacagctgc ctggttcagc 180
attaatgaag attagtcagt gacaggcctg gtgtgctgag tccgcacata gaagaatcaa 240
aatgtccaa aatgtaactg gagagaaaagt gggcaacttt tggagtgaact tttccacagg 300
aacttctgca atgtcccatc aacctctcag ctgcctcact gaaaaggagg acagccccag 360
tgaaagcaca ggaaatggac cccccacct ggcccaccca aacctggaca cgtttaccct 420

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ggaggagctg ctgcagcaga tgaaagagct cctgaccgag aaccaccagc tgaaagaagc	480
catgaagcta aataatcaag ccatgaaagg gagatttgag gagctttcgg cctggacaga	540
gaaacagaag gaagaacgcc agttttttga gatacagagc aaagaagcaa aagagcgtct	600
aatggccttg agtcatgaga atgagaaatt gaaggaagag cttggaaaac taaaagggaa	660
atcagaaaagg tcatctgagg accccactga tgactccagg cttcccaggg ccgaagcgga	720
gcaggaaaag gaccagctca ggaccaggt ggtgaggcta caagcagaga aggagacct	780
gttgggcata gtgtctgaac tgcagctcaa gctgaactcc agcggctcct cagaagattc	840
ctttgttgaa attaggatgg ctgaaggaga agcagaaggg tcagtaaaag aaatcaagca	900
tagtcctggg cccacgagaa cagtctccac tggcacggca ttgtctaaat ataggagcag	960
atctgcagat ggggccaaga attacttcga acatgaggag ttaactgtga gccagctcct	1020
gctgtgccta agggaaggga atcagaagggt ggagagactt gaagttgcac tcaaggaggc	1080
caaagaaaaga gtttcagatt ttgaaaagaa aacaagtaat cgttctgaga ttgaaaccca	1140
gacagagggg agcacagaga aagagaatga tgaagagaaa ggcccggaga ctgttggaag	1200
cgaagtggaa gcactgaacc tccaggtgac atctctgttt aaggagcttc aagaggctca	1260
tacaaaactc agcgaagctg agctaataaa gaagagactt caagaaaagt gtcaggccct	1320
tgaaaggaaa aattctgcaa ttccatcaga gttgaatgaa aagcaagagc ttgtttatac	1380
taacaaaaag ttagagctac aagtggaaag catgctatca gaaatcaaaa tggaacaggc	1440
taaaacagag gatgaaaagt ccaaattaac tgtgctacag atgacacaca acaagcttct	1500
tcaagaacat aataatgcat tgaaaacaat tgaggaacta acaagaaaag agtcagaaaa	1560
agtggacagg gcagtgtgta aggaactgag tgaaaaactg gaactggcag agaaggctct	1620
ggcttccaaa cagctgcaaa tggatgaaat gaagcaaacc attgccaaagc aggaagagga	1680
cctggaaacc atgaccatcc tcagggtcga gatggaagt tactgttctg attttcatgc	1740
tgaaagagca gcgagagaga aaattcatga ggaaaaggag caactggcat tgcagctggc	1800
agttctgctg aaagagaatg atgctttcga agacggaggc aggcagtcct tgatggagat	1860
gcagagtcgt catggggcga gaacaagtga ctctgaccag caggcttacc ttgttcaaag	1920
aggagctgag gacagggact ggcggaaca gcggaatatt ccgattcatt cctgccccaa	1980
gtgtggagag gttctgcctg acatagacac gttacagatt cacgtgatgg attgcatcat	2040
ttaagtgttg atgtatcacc tccccaaaac tgttgggt	2077

<210> 114
 <211> 240
 <212> DNA
 <213> Homo Sapiens

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<400> 114
ccacatgtag cggctctgag gaatgggtta caggagacct ctggggagat gtgaccacag 60
caatgggtag gagaatgtcc agggctatga aagtcgagta tggggacccc cccttaacga 120
agacagggcc atgtagaggg cccagggag tgaaagagcc tccaggacct ccaggtatgg 180
aatacagggg acgtttaaga agatatggcc acacactggg gccctgagaa gtgagagctt 240

<210> 115
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 115
ttggtggaga acaaaca 18

<210> 116
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 116
gtggtggaga acaaaca 17

<210> 117
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 117
ggtcttactg ggccactgtg agcgctc 27

<210> 118
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 118
taacggggag aaaagg 16

<210> 119
<211> 17
<212> DNA
<213> Artificial Sequence

Q96480 sequence listing submitted 11.2006.txt

<220>
 <223> Description of Artificial Sequence: Primer/Probe

<400> 119
 ttaacgggga gaaaagg 17

<210> 120
 <211> 26
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer/Probe

<400> 120
 gcgatccttc agcccaagtg cccttc 26

<210> 121
 <211> 19
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer/Probe

<400> 121
 gaaaatcatt ttgggggagc 19

<210> 122
 <211> 19
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer/Probe

<400> 122
 aaaaatcatt ttgggggagc 19

<210> 123
 <211> 44
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer/Probe

<400> 123
 tgcctctctg agtcaatgta ttaccactt tccctgagaa atct 44

<210> 124
 <211> 17
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer/Probe

Q96480 sequence listing submitted 11.2006.txt

<400> 124
cttgcccttc agcttgg 17

<210> 125
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 125
attgccttc agcttgg 17

<210> 126
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 126
gttgtgggc acataacgct ctctggaggg t 31

<210> 127
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 127
ctcctgggca ctgc 14

<210> 128
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 128
ttcctgggca ctgc 14

<210> 129
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 129
ctgcacagct tccccggctt cagaaaaca 29

Q96480 sequence listing submitted 11.2006.txt

<210> 130
 <211> 23
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer/Probe

 <400> 130
 tttaagccgt atattgaaga aaa 23

 <210> 131
 <211> 23
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer/Probe

 <400> 131
 cttaagccgt atattgaaga aaa 23

 <210> 132
 <211> 40
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer/Probe

 <400> 132
 cttggttgta atttttgctc tttgctggtt ccctcttcaa 40

 <210> 133
 <211> 16
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer/Probe

 <400> 133
 gtcacagttg ccttgt 16

 <210> 134
 <211> 16
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer/Probe

 <400> 134
 ctcacagttg ccttgt 16

 <210> 135
 <211> 31

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<212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Primer/Probe
 <400> 135
 ggaagaagga tcagagaaga gattcccgga t 31

<210> 136
 <211> 19
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Primer/Probe
 <400> 136
 cttggggttt tcagtatga 19

<210> 137
 <211> 19
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Primer/Probe
 <400> 137
 tttggggttt tcagtatga 19

<210> 138
 <211> 38
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Primer/Probe
 <400> 138
 cccacaaatg ccaccagaac ttaacgattc ttcactta 38

<210> 139
 <211> 22
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Primer/Probe
 <400> 139
 attcagtttc tatttctgct tg 22

<210> 140
 <211> 22
 <212> DNA
 <213> Artificial Sequence

Q96480 sequence listing submitted 11.2006.txt

<220>

<223> Description of Artificial Sequence: Primer/Probe

<400> 140

gttcagtttc tatttctgct tg

22

<210> 141

<211> 43

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer/Probe

<400> 141

ctcatcccta tagttttaca agacagcaaa agattggtgg ctt

43

<210> 142

<211> 290

<212> DNA

<213> Homo Sapiens

<400> 142

ttgaattcca ccctccatcc ccagaaaaac tggagtaaaa caaaaagagg agatggacaa 60

agtgtgtatt tgatggcatc ccctgggaag agactctaaa tttatcccat aggtcttact 120

gggccactgt gagcgctttg gtggagaaca aacaaaaatt ctgggtgctc agttgtctaa 180

cctgaaaaat ggactagcg gaaaaagcca atgtgttcca tgcacctttt gctttcttta 240

ttaaggcatg atgtcacctg tacagtaact gccctgtgtg tacttcaggg 290

<210> 143

<211> 240

<212> DNA

<213> Homo Sapiens

<400> 143

ccagctctcc accgccgct gcgcctgcag acgctccgct cgctgccttc tctcctggca 60

ggcgtgcct tttctccccg ttaaaggga cttgggctga aggatcgctt tgagatctga 120

ggaacccgca gcgctttgag ggacctgaag ctgtttttct tcgttttcct ttgggttcag 180

tttgaacggg aggtttttga tccctttttt tcagaatgga ttatttgctc atgattttct 240

<210> 144

<211> 300

<212> DNA

<213> Homo Sapiens

<400> 144

atccagtga agaaccacga tcaaaacaac cacaacacag accggagcag ccataaggac 60

agcatgaact gaccaccctt agaagcactc ctcggtactc ccataatcct ctcggagaaa 120

aaaatcacia ggcaactgtg actccgggaa tctcttctct gatccttctt ccttaattca 180

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ctccccacacc caagaagaaa tgctttccaa aaccgcaagg gtagactggg ttatccaccc 240
acaacatcta cgaatcgtac ttctttaatt gatctaattt acatattctg cgtgttgat 300

<210> 145
<211> 300
<212> DNA
<213> Homo Sapiens

<400> 145
ttaatttttc ttaaaatggt aactggcagt aagtcctttt tgatcattcc cttttccata 60
taggaaacat aattttgaag tggccagatg agtttatcat gtcagtgaag aataattacc 120
cacaaatgcc accagaactt aacgattctt cacttcttgg ggttttcagt atgaacctaa 180
ctccccaccc caacatctcc ctccccacatt gtcaccattt caaagggccc acagtgactt 240
ttgctgggca ttttcccaga tgtttacaga ctgtgagtac agcagaaaaat cttttactag 300

<210> 146
<211> 360
<212> DNA
<213> Homo Sapiens

<400> 146
gaggtagagg cagtgtgaagc caggctgttc tcctggctct tctttgaatt attctttctc 60
tggtgtctgc tacttcttgg tactgtagtt ctgcatcta gtataaaaac actaaatttg 120
ttgtcctatt tttttctcac tttcctttag cgtcgagaag tggcaaaaac agttttctgc 180
ttggttgtaa tttttgctct ttgctgggtc cctcttcatt taagccgtat attgaagaaa 240
actgtgtata acgagatgga caagaaccga tgtgaattac ttaggtatga tcctgtgtac 300
tcgctagaaa attggagttt ctcagatttt catatttata atactttttac aaaaccagct 360

<210> 147
<211> 360
<212> DNA
<213> Homo Sapiens

<400> 147
ggaggagacg gggaggacag actggaggcg tgctcctccg gagttttctt tttcgtgcga 60
gccctcgcgc gcgcgtacag tcatcccgtt ggtctgacga ttgtggagag gcggtggaga 120
ggcttcatcc atcccccccg gtcgtcgcgg gggattgggg tcccagcgag acctccccgg 180
gagaagcagt gcccaggagg ttttctgaag ccggggaagc tgtgcagccg aagccgccgc 240
cgcgccggag cccgggacac cggccaccct ccgcgccacc caccctcgcc ggctccggct 300
tcctctggcc caggcgccgc gcggacccgg cagctgtctg cgcacgccga gctccacggt 360

<210> 148
<211> 300
<212> DNA

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<213> Homo Sapiens

<400> 148

taatcattcc ctgatgaatt tttttaagtt taacatttgt tatataagat tttcttacag	60
aggagtatta atcgtaaaaa ttctctcatc cctatagttt tacaagacag caaaagattg	120
gtggctgttc agtttctatt tctgcttgcc attggccatc actgcatttt tttatacact	180
aatgacctgt gaaatgttga gaaagaaaag tggcatgcag attgctttta atgatcacct	240
aaagcaggta agaaaataca aatatttgat aactcgtggt tgaatttata attatgaata	300

<210> 149

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer/Probe

<400> 149

ccgcctcttc gtcttcttca actg	24
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<210> 150

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer/Probe

<400> 150

gatagcagggt gaactcgaag ccca	24
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<210> 151

<211> 300

<212> DNA

<213> Homo Sapiens

<400> 151

ttcctggcca acgtggtgaa ggccttccac cgcgagctgg tgcccgaccg cctcttcgtc	60
ttcttcaact ggctgggcta cgccaactcg gccttcaacc ccatcatcta ctgccgcagc	120
cccgacttcc gcaaggcctt ccagggaactg ctctgctgcg cgcgcagggc tgcccgcccg	180
cgccacgcga cccacggaga ccggccgcgc gcctcgggct gtctggcccg gcccggaccc	240
ccgccatcgc ccggggccgc ctcggacgac gacgacgacg atgtcgtcgg ggccacgccg	300

<210> 152

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer/Probe

Q96480 sequence listing submitted 11.2006.txt

<400> 152
catggatcaa ctcaacttga 20

<210> 153
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 153
tatggatcaa ctcaacttga g 21

<210> 154
<211> 37
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 154
tcttgtgcct tcagctgtga ggaggattt gaattaa 37

<210> 155
<211> 600
<212> DNA
<213> Homo Sapiens

<400> 155
tgtttttatt ttattttaag ataaaaagaa ctattgaaga gcttgggaac ttggttacct 60
tggaacgt attgctggag atgcaacaa acttctaaag tgctctctcg tgtgttccag 120
ctgtgagatg cgatgctgtc caccagcccc cgaagggttt ggtgagggtg gctcattccc 180
ctattggaga attcacctac aagtcctctt gtgccttcag ctgtgaggag ggatttgaat 240
tacatggatc aactcaactt gagtgcacat ctcagggaca atggacagaa gaggttcctt 300
cctgccaagg tagaattgag tgcagacttt tttagggtac aggtcaaata cttcataaag 360
tttctgaacc tagattgccc caaagggtt tggctctaatt ttcctacatg ctgaaaacta 420
agtagcgctt acactttaca ttcattgttg acttttaagc aagttttgga agttttccag 480
tagatttttc tgaaactctg cctgtgtacc taacatttgc agtggtaaaa tgttcaagcc 540
tggcagttcc gggaaagatc aacatgagct gcagtgggga gcccggtttt ggcactgtgt 600

<210> 156
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

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<400> 156
tgtcttcaga gccagtt 17

<210> 157
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 157
agtcttcaga gccagtt 17

<210> 158
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 158
agagctaataa aaagccagtc cattaggcag tatctccac 39

<210> 159
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 159
aatcctggga gatgtatttg 20

<210> 160
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 160
gatcctggga gatgtatttg 20

<210> 161
<211> 49
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 161
agcactttta tggcacaaat gatcactatt ttcttgaccc ctacttact 49

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<210> 162
 <211> 14
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer/Probe

<400> 162
 ccgttgctcc acca 14

<210> 163
 <211> 14
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer/Probe

<400> 163
 acgttgctcc acca 14

<210> 164
 <211> 53
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer/Probe

<400> 164
 actatcttat tttcttacct gaatctctga tcttcactaa gagtctgaat aat 53

<210> 165
 <211> 1020
 <212> DNA
 <213> Homo Sapiens

<400> 165
 agagcctcct agcccgtcgg tgtctgcgcc catcgatccc tttgtctatc cccgaccatg 60
 gcgaagctga ttgcgctcac cctcttgagg atgggactgg cactcttcag gaaccaccag 120
 tcttcttacc aaacacgact taatgctctc cgagaggtac aaccgtaga acttcctaac 180
 tgtaatttag ttaaaggaat cgaaactggc tctgaagact tggagatact gcctaattgga 240
 ctggctttca ttagctctgg attaaagtat cctggaataa agagcttcaa cccaacagt 300
 cctggaaaaa tacttctgat ggacctgaat gaagaagatc caacagtgtt ggaattgggg 360
 atcactggaa gtaaatttga tgtatcttca tttaaccctc atgggattag cacattcaca 420
 gatgaagata atgccatgta cctcctggtg gtgaaccatc cagatgccaa gtccacagt 480
 gagttgttta aatttcaaga agaagaaaaa tcgcttttgc atctaaaaac catcagacat 540
 aaacttctgc ctaatttgaa tgatattggt gctgtgggac ctgagcactt ttatggcaca 600

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aatgatcact attttcttga cccctactta caatcctggg agatgtattt gggtttagcg	660
tggtcgtatg ttgtctacta tagtccaagt gaagtctgag tggtggcaga aggatttgat	720
tttgctaatg gaatcaacat ttcacccgat ggcaagtatg tctatatagc tgagttgctg	780
gctcataaga ttcattgtgta tgaaaagcat gctaattgga cttaactcc attgaagtcc	840
cttgacttta ataccctcgt ggataacata tctgtggatc ctgagacagg agacctttgg	900
gttgatgcc atcccaatgg catgaaaatc ttcttctatg actcagagaa tcctcctgca	960
tcagaggtgc ttcgaatcca gaacattcta acagaagaac ctaaagtgc acaggtttat	1020

<210> 166
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer/Probe

<400> 166	
gcgagaccct cactgggatt	20

<210> 167
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer/Probe

<400> 167	
gcctggagag gagctggatt	20

<210> 168
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer/Probe

<400> 168	
ggttgggatt tggggaagga	20

<210> 169
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer/Probe

<400> 169	
ccagacatga ctccattgta ggaa	24

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<210> 170
 <211> 22
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer/Probe

 <400> 170
 gagtcagagg ttggagtcac gt 22

 <210> 171
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer/Probe

 <400> 171
 ccgttgctgc aggtcctcat a 21

 <210> 172
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer/Probe

 <400> 172
 cagacacgcg gaccattgta 20

 <210> 173
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer/Probe

 <400> 173
 ggggtgtggca gtcagagatc a 21

 <210> 174
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Primer/Probe

 <400> 174
 cccaacttga tcacagcact t 21

 <210> 175
 <211> 22
 <212> DNA

<213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Primer/Probe
 <400> 175
 ctaggcacct atgggcagtc aa 22
 <210> 176
 <211> 21
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Primer/Probe
 <400> 176
 ctaatggctg tagctggtgc t 21
 <210> 177
 <211> 22
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Primer/Probe
 <400> 177
 gtaggggaag gtgttggtgt aa 22
 <210> 178
 <211> 20
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Primer/Probe
 <400> 178
 ccagagcaac gtggtgtca 20
 <210> 179
 <211> 19
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Primer/Probe
 <400> 179
 ggtagccggt gtcccagga 19
 <210> 180
 <211> 21
 <212> DNA
 <213> Artificial Sequence
 <220>

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<223> Description of Artificial Sequence: Primer/Probe

<400> 180
ggctgtgtac accaccaacc a 21

<210> 181
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 181
ctcgtaactg gacgtgttgg t 21

<210> 182
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 182
catgatctgc ggtgtgctct a 21

<210> 183
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 183
gcagcccag ccacagcatt 20

<210> 184
<211> 540
<212> DNA
<213> Homo Sapiens

<400> 184
ttagttccta caatggagtc atgtctggga agaatctagg gtccaatatg agccacatgt 60
caagggccag gtgtgcatca aagacaaagg gtgaagttat gagtcagagg ttggagtcatt 120
gtctgggtca aaggccagg gtcaggcttg gccatggttc catcttgatg cacaggagct 180
gaaggacagg atgacggaac tgttgcccct gagctcggtc ctggagcagt acaaggcaga 240
cacgcggacc attgtacgct tgcgggagga ggtgaggaat ctctccggca gtctggcggc 300
cattcaggag gagatgggtg cctacgggta tgaggacctg cagcaacggg tgatggccct 360
ggaggcccgg ctccacgcct gcgcccagaa gctgggtatg ccttggccct tgaccctgac 420
ccctgatctc tgactgccac acccaactcc agtatcacct gtttgtgcct agaagctgga 480

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cacagttttg acctctaact tttaaaccctc aacccttgac cttcctacct aaggctacac 540

<210> 185
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 185
ttttcgctc ccgt 14

<210> 186
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 186
gtttcgctc ccgt 14

<210> 187
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 187
gctgccaggt cggaatatt ccagggc 27

<210> 188
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 188
cgccatggag accaacaccc 20

<210> 189
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 189
gccggtccc tgctctctgt c 21

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<210> 190
 <211> 360
 <212> DNA
 <213> Homo Sapiens

<400> 190
 cgccatggag accaacaccc ttcccaccgc cactccccct tcctctcagg gtccctgtcc 60
 cctccagtga atcccagaag actctggaga gttctgagca gggggcgcca ctctggcctc 120
 tgattgggtcc aaggaaggct ggggggcagg acgggaggcg aaacccttg aatattcccg 180
 acctggcagc ctcatcgagc tcggtgattg gctcagaagg gaaaaggcgg gtctccgtga 240
 cgacttataa aacgccaggg gcaagcggtc cggataacgg ctagcctgag gagctgctgc 300
 gacagtccac tacctttttc gagagtgact cccgttggtcc caaggcttcc cagagcgaac 360

<210> 191
 <211> 13
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer/Probe

<400> 191
 gtggcccaga gca 13

<210> 192
 <211> 14
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer/Probe

<400> 192
 ttggcccaga gcaa 14

<210> 193
 <211> 37
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer/Probe

<400> 193
 ggcagataac aaaagtatca ggaagggtgcc ctcgatc 37

<210> 194
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer/Probe

Q96480 sequence listing submitted 11.2006.txt

<400> 194
taagtccccc ttcaacaacc 20

<210> 195
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 195
aagctgaaaa gtacgcataa atg 23

<210> 196
<211> 300
<212> DNA
<213> Homo Sapiens

<400> 196
ttttgtctgg tctttctagc attaaccccc tagacacacc taaggctgat gccgggggga 60
acctgtcttg attgctctgg gccacatcga gggcaccttc ctgatacttt tgttatctgc 120
cactggggac ccggttggtg aaggggggact taagattttc tcgaaggagg ggtcactgtg 180
agggcctttc ctgcctgcta ggggcttcag tttgggggcc cccactcccg actccgggca 240
agggaggggt ccccatctcc cccgggcctc tcgggtcttg gggctctccc gggaggcccg 300

<210> 197
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 197
ctacctaaga gctatctacc gttc 24

<210> 198
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 198
ggctgtccat gttgtggctg c 21

<210> 199
<211> 19
<212> DNA
<213> Artificial Sequence

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<220>
 <223> Description of Artificial Sequence: Primer/Probe
 <400> 199
 cttagtcttg aagtgaggg 19
 <210> 200
 <211> 19
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Primer/Probe
 <400> 200
 tttagtcttg aagtgaggg 19
 <210> 201
 <211> 35
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Primer/Probe
 <400> 201
 tctctggctg gcgttttgca aacatacctt caata 35
 <210> 202
 <211> 240
 <212> DNA
 <213> Homo Sapiens
 <400> 202
 ccaggactta caccagagga tcgataagtt ccgtttcacc ccacctttgg aggacagctg 60
 cttccactat ggcttcaact ccaactacct gaagaaagtc atctcctact ggcggaatga 120
 atttgactgg aagaagcagg tggagattct caacagatac ctcacttca agactaagat 180
 tgaaggatatg ttgcaaaac gccagccaga gagggatata tgtcatgaga acagccttct 240
 <210> 203
 <211> 15
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Primer/Probe
 <400> 203
 tattgggtgc cagca 15
 <210> 204
 <211> 14
 <212> DNA
 <213> Artificial Sequence

Q96480 sequence listing submitted 11.2006.txt

<220>
 <223> Description of Artificial Sequence: Primer/Probe
 <400> 204
 cattgggtgc cagc 14

<210> 205
 <211> 23
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Primer/Probe
 <400> 205
 tcgtggtccg gcgcatggct tca 23

<210> 206
 <211> 16
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Primer/Probe
 <400> 206
 caaagggacg aggtgt 16

<210> 207
 <211> 16
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Primer/Probe
 <400> 207
 gaaagggacg aggtgt 16

<210> 208
 <211> 23
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Primer/Probe
 <400> 208
 gccggaccac gacgtcacgc agt 23

<210> 209
 <211> 360
 <212> DNA
 <213> Homo Sapiens
 <400> 209
 gcgcttacct gccagactgc gcgccatggg gcaacccggg aacggcagcg ccttcttgct 60

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ggcacccaat ggaagccatg cgccggacca cgacgtcacg cagcaaagg acgagggtgtg	120
ggtggtgggc atgggcatcg tcatgtctct catcgtcctg gccatcgtgt ttggcaatgt	180
gctggtcatc acagccattg ccaagttcga gcgtctgcag acggtcacca actacttcat	240
cacttcactg gcctgtgctg atctgggtcat gggcctagca gtggtgccct ttggggccgc	300
ccatattctt atgaaaatgt ggacttttgg caacttctgg tgcgagtttt ggacttccat	360